### **UTILITY PATENT APPLICATION TRANSMITTAL** (Small Entity)

Docket No. 02560035BB

Total Pages in this Submission

(Only for new nonprovisional applications under 37 CFR 1.53(b))

#### TO THE COMMISSIONER FOR PATENTS

**Mail Stop Patent Application** P.O. Box 1450 Alexandria, VA 22313-1450

| Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. | 1.53(b) is a new utility patent application for ar |
|--|--|
| invention entitled:  |  |

| inv |       |          | ntitle | <u>d:</u> |        |                  |             |                          |                 | (b) is a new utility patent ap | pplication for an |
|-----|-------|----------|--------|-----------|--------|------------------|-------------|--------------------------|-----------------|--------------------------------|-------------------|
|     | ME    | CTH(     | OD A   | ND S      | YST    | EM FOR A B       | UIL.        | DING DATABA              | SE MANIPUL      | ATOR                           | 1.S. PTO          |
| an  | d inv | ente     | ed by  | •         |        |                  |             |                          |                 |                                |                   |
|     | The   | eodo     | re Ra  | ppap      | ort;   | Roger Skidme     | ore         |                          |                 |                                | 10/8              |
| If  | a CC  | TNC      | INUA   | TION      | AP     | PLICATION,       | ched        | ck appropriate b         | ox and supply   | the requisite information:     |                   |
| [2  |       | onti     | inuat  |           |        | Divisional       |             |                          |                 |                                | 09/633,120        |
|     | _     | onti     | inuat  | ion       |        | Divisional       | X           | Continuation-            | -in-part (CIP)  | of prior application No.:      | 09/318,841        |
|     | ) C   | onti     | inuat  | ion       |        | Divisional       |             | Continuation-            | in-part (CIP)   | of prior application No.:      |                   |
| Ei  | nclos | ed a     | are:   |           |        |                  |             |                          |                 |                                | •                 |
|     |       |          |        |           |        |                  | ,           | Applicatio               | n Elements      |                                |                   |
| -   | 1.    | X        | Filin  | g fee     | as c   | calculated and   | d trar      | nsmitted as desc         | cribed below    |                                |                   |
|     | 2.    | X        | Spe    | cifica    | lion   | having           | <del></del> | 34                       | _ pages and ir  | ncluding the following:        | ·                 |
|     |       | a.       | X      | Desc      | cripti | ive Title of the | e Inv       | ention                   |                 |                                |                   |
|     |       | b.       | X      | Cros      | s R    | eferences to     | Relat       | ted Applications         | (if applicable) |                                | 1                 |
|     |       | C.       |        | State     | eme    | nt Regarding     | Fede        | erally-sponsored         | Research/De     | velopment (if applicable)      | • .               |
|     |       | d.       |        | Refe      | rend   | ce to Sequen     | ce Li       | sting, a Table, o        | r a Computer I  | Program Listing Appendix       |                   |
|     |       | e.       | X      | Back      | gro    | und of the Inv   | entic       | on                       |                 |                                |                   |
|     |       | f.       | X      | Brief     | Sur    | nmary of the     | Inve        | ntion                    |                 |                                |                   |
|     |       | g.       | X      | Brief     | Des    | scription of th  | e Dra       | awings <i>(if filed)</i> |                 |                                |                   |
|     |       | h.       | X      | Deta      | iled   | Description      |             |                          |                 |                                |                   |
|     |       | i.       | X      | Clair     | n(s)   | as Classified    | l Belo      | ow                       |                 |                                |                   |
|     |       | j.       | X      |           | • •    | of the Disclos   |             |                          | ,               |                                |                   |
|     |       | <u> </u> |        |           |        |                  |             |                          |                 |                                |                   |

# UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. **02560035BB** 

Total Pages in this Submission

|          | Application Elements (Continued) |  |  |  |  |  |  |  |  |
|----------|----------------------------------|--|--|--|--|--|--|--|--|
| 3.       | X                                | Prawing(s) (when necessary as prescribed by 35 USC 113)  |  |  |  |  |  |  |  |
|          | a.                               | Formal Number of Sheets 10   |  |  |  |  |  |  |  |
|          | b.                               | Informal Number of Sheets  |  |  |  |  |  |  |  |
| 4.       | X                                | Dath or Declaration  |  |  |  |  |  |  |  |
|          | a.                               | ☐ Newly executed (original or copy) ☐ Unexecuted   |  |  |  |  |  |  |  |
|          | b.                               | Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)  |  |  |  |  |  |  |  |
|          | C.                               | With Power of Attorney    Without Power of Attorney  |  |  |  |  |  |  |  |
|          | d.                               | DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).   |  |  |  |  |  |  |  |
| 5.       | X                                | Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. |  |  |  |  |  |  |  |
| 6.       |                                  | D ROM or CD-R in duplicate, large table or Computer Program (Appendix)   |  |  |  |  |  |  |  |
| 7.<br>8. |                                  | Application Data Sheet (See 37 CFR 1.76)  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)   |  |  |  |  |  |  |  |
| _        | a.                               | Computer Readable Form (CFR)   |  |  |  |  |  |  |  |
|          | b.                               | Specification Sequence Listing on:   |  |  |  |  |  |  |  |
|          |                                  | i.   CD-ROM or CD-R (2 copies); or   |  |  |  |  |  |  |  |
|          |                                  | ii. 🔲 Paper  |  |  |  |  |  |  |  |
|          | C.                               | Statement(s) Verifying Identical Paper and Computer Readable Copy  |  |  |  |  |  |  |  |
|          |                                  | Accompanying Application Parts   |  |  |  |  |  |  |  |
| 9.       |                                  | ssignment Papers (cover sheet & document(s))   |  |  |  |  |  |  |  |
| 10.      |                                  | 37 CFR 3.73(B) Statement (when there is an assignee)   |  |  |  |  |  |  |  |
| 11.      |                                  | English Translation Document (if applicable)   |  |  |  |  |  |  |  |
| 12.      | X                                | Information Disclosure Statement/PTO-1449   Copies of IDS Citations  |  |  |  |  |  |  |  |
| 13.      | X                                | Preliminary Amendment  |  |  |  |  |  |  |  |
| 14.      | X                                | Return Receipt Postcard (MPEP 503) (Should be specifically itemized)   |  |  |  |  |  |  |  |
| 15.      |                                  | Certified Copy of Priority Document(s) (if foreign priority is claimed)  |  |  |  |  |  |  |  |
| 16.      |                                  | Certificate of Mailing   |  |  |  |  |  |  |  |
|          |                                  | First Class   Express Mail (Specify Label No.): HAND DELIVERED   |  |  |  |  |  |  |  |
|          |                                  |  |  |  |  |  |  |  |  |

## UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. **02560035BB** 

Total Pages in this Submission

|     |   | Accompanying Application Parts (Continued)  |
|-----|---|---|
| 17. | X | Applicant claims small entity status. See 37 CFR 1.27.  |
|     |   | Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:   |
| 18. | X | Additional Enclosures (please identify below):  |
|     |   | COPY of Change of Address   |
|     |   | COPY of Change of Address COPY of Small Entity Declaration  |
|     |   |   |
|     |   | Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)   |
| 19. |   | Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. |
|     |   | Warning   |
|     |   | An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i)   |

must notify the Director of such filing not later than 45 days after the date of the filing of

such foreign or international application. A failure of the applicant to provide such notice

within the prescribed period shall result in the application being regarded as abandoned,

unless it is shown to the satisfaction of the Director that the delay in submitting the notice

was unintentional.

3281 U.S.

CC:

## UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

Docket No. **02560035BB** 

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

#### **Fee Calculation and Transmittal**

#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** \$72.00 28 - 20 = \$9.00 8 X Indep. Claims 2 - 3 = \$0.00 \$43.00 0 X Multiple Dependent Claims (check if applicable) \$0.00 \$385.00 **BASIC FEE** \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$457.00 A check in the amount of \$457.00 to cover the filing fee is enclosed. The Director is hereby authorized to charge and credit Deposit Account No. 50-2041 as described below. as filing fee. Charge the amount of Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: March 26, 2004 Signature Michael E. Whitham Reg. No. 32,635

Whitham, Curtis & Christofferson, PC

11491 Sunset Hills Road - #340

Reston, VA 20190

Customer No. 30743

703/787-9400

PTO/SB/122 (06-03)

Approved for use through 11/30/2005, OMB 0651-0035 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### CHANGE OF CORRESPONDENCE ADDRESS

**Application** 

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

|                        | SESSION OF THE PROPERTY OF THE |
|------------------------|--|
| Application Number     | (Div of USSN 09/633,120)   |
| Filing Date            | concurrently   |
| First Named Inventor   | T. Rappaport, et al.   |
| Art Unit               | not assigned   |
| Examiner Name          | not assigned   |
| Attorney Docket Number | 02560035ВВ   |

| Please change the Corr<br>to:  Customer No   | espondence Address for the a umber: 30743 | bove-identi | fied ap          | plication   |     |             |  |  |
|--|---|-------------|------------------|-------------|-----|-------------|--|--|
| OR   |   |             |                  |             |     |             |  |  |
| Firm or Individual Name  | Whitham, Curtis & Christofferson          | n, PC       |                  |             |     |             |  |  |
| Address  | 11491 Sunset Hills Road                   |             | ***              |             |     | <del></del> |  |  |
| Address  | Suite 340                                 |             | No Company       |             |     |             |  |  |
| City   | Reston                                    | Stat        | te               | VA          | ZIP | 20190       |  |  |
| Country  | USA                                       |             |                  |             |     |             |  |  |
| Telephone  | 703/787-9400                              |             | Fax 703/787-7557 |             |     | 557         |  |  |
| This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).  I am the:  Applicant/Inventor.  Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).  Attorney or Agent of record. Registration Number  Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number |   |             |                  |             |     |             |  |  |
| Typed or Printed Name  Michael E   | hitham //                                 |             | _                | <u></u>     |     |             |  |  |
| Signature  | VVV                                       |             |                  | <del></del> |     |             |  |  |
| Date 3-26-04   |   | Telephone   |                  | 703/787-940 |     |             |  |  |
| NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.   |   |             |                  |             |     |             |  |  |
| *Total of1 forms are submitted.  |   |             |                  |             |     |             |  |  |

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.